


In this paper, we present a survey of existing approaches on persistent naming in parametric system. We identify five common concepts that may be found in most of the studies. We propose two orthogonal criteria for classifying persistent naming approaches. This survey is intended to represent a state of the art of robust parametric reevaluation of geometric models.

 Jack C. H. Chung, Teng-Shang Hwang, Chien-Tai Wu, Yu Jiang, Jai-Yi Wang, Yong Bai, Hongliu Zou


 Rafael Bidarra, Willem F. Bronsvoot R. Joan-Arinyo, A. Soto-Riera

In the past few years, there has been a strong trend towards developing parametric, computer-aided design systems based on geometric constraint solving. An effective way to capture the design intent in these systems is to define relationships between geometric and technological variables. In general, geometric constraint solving including functional relationships requires a general approach and appropriate techniques to achieve the expected functional capabilities. This work reports on a hy ...


Keywords: canonical forms, constructive techniques, equational techniques, geometric constraint solving, rewriting systems

 Ferruccio Mandorli, Umberto Cugini, Harald E. Otto, Fumihiko Kimura

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